

230

OIPE

#2

RAW SEQUENCE LISTING

DATE: 12/04/2001

PATENT APPLICATION: US/09/852,209A / TIME: 13:32:29

Input Set : N:\Crf3\RULE60\09852209A.txt
Output Set: N:\CRF3\12042001\I852209A.raw

5 <110> APPLICANT: ERIKSSON, Ulf
7 AASE, Karin
9 LEE, Xuri
11 PONTEN, Annica
13 UUTELA, Marko
15 ALITALO, Kari
17 OESTMAN, Arne
19 HELDIN, Carl-Henrik
21 BETSHOLTZ, Christer
25 <120> TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
27 THEREFOR, AND USES THEREOF
31 <130> FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
35 <140> CURRENT APPLICATION NUMBER: 09/852,209A
36 <141> CURRENT FILING DATE: 2001-05-10
39 <150> PRIOR APPLICATION NUMBER: 09/410,349
40 <151> PRIOR FILING DATE: 1999-09-30
44 <150> PRIOR APPLICATION NUMBER: 60/110,749
46 <151> PRIOR FILING DATE: 1998-12-03
50 <150> PRIOR APPLICATION NUMBER: 60/113,002
52 <151> PRIOR FILING DATE: 1998-12-18
56 <150> PRIOR APPLICATION NUMBER: 60/135,426
58 <151> PRIOR FILING DATE: 1999-05-21
62 <150> PRIOR APPLICATION NUMBER: 60/144,022
64 <151> PRIOR FILING DATE: 1999-07-15
68 <160> NUMBER OF SEQ ID NOS: 39
72 <170> SOFTWARE: PatentIn Ver. 2.0
76 <210> SEQ ID NO: 1
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80 <212> TYPE: PRT
82 <213> ORGANISM: Homo sapiens
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88 <221> NAME/KEY: UNSURE
90 <222> LOCATION: (2)
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98 <221> NAME/KEY: UNSURE
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102 <223> OTHER INFORMATION: Can be any amino acid residue
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110 <222> LOCATION: (12)
112 <223> OTHER INFORMATION: Can be any amino acid residue
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118 <221> NAME/KEY: UNSURE
120 <222> LOCATION: (14)
122 <223> OTHER INFORMATION: Can be any amino acid residue
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Input Set : N:\Crf3\RULE60\09852209A.txt
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 138 <211> LENGTH: 2108
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 142 <213> ORGANISM: Homo sapiens
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 148 <221> NAME/KEY: unsure
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 152 <223> OTHER INFORMATION: can be a, c, g or t
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 158 <221> NAME/KEY: unsure
 160 <222> LOCATION: (2065)
 162 <223> OTHER INFORMATION: can be a, c, g or t
 166 <220> FEATURE:
 168 <221> NAME/KEY: unsure
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 172 <223> OTHER INFORMATION: can be a, c, g or t
 176 <220> FEATURE:
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 190 gttgacatctg ccctggccgg ccagagacga gggactcagg cggaatccaa cctgagtagt 120
 192 aaattccagt ttccagcaa caaggaacag aacggagttac aagatcctca gcatgagaga 180
 194 attattactg tgcgtactaa tggaaagtatt cacagccaa gtttcctca tacttatcca 240
 196 agaaatacgg tcttggatgt gagattagta gcagtagagg aaaatgtatg gatacaactt 300
 198 acgtttgatg aaagatttgg gtttgaagac ccagaagatg acatatgcaaa gtatgatttt 360
 200 gtagaaagttt aggaacccag tgatgaaact atattaggc gctgggtgtgg ttctggtaact 420
 202 gtaccaggaa aacagatttc taaagggaaat caaatttagga taagatttgt atctgtatgaa 480
 204 tattttccctt ctgaaccagg gttctgcattt cactacaaca ttgtcatgccc acaattcaca 540
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 208 gctataactg ctttttagtac ctttggaaagac cttattcgat atcttgcacc agagagatgg 660
 210 cagttggact tagaaatgtct atataggccaa acttggcaac ttcttggcaaa ggctttgtt 720
 212 ttggaaagaa aatccagagt ggtggatctt aacccctaa cagaggaggt aagattatac 780
 214 agctgcacac ctcgttaactt ctcgtgtcc ataagggaaag aactaaagag aaccgatacc 840
 216 attttctggc cagggtgtct cctggtaaaa cgctgtggtg ggaactgtgc ctgttgc 900
 218 cacaatttgc atgaatgtca atgtgtccca agcaaaatgtt ctaaaaaataa ccacgaggcc 960
 220 cttcgttgc gaccaaaagac cgggtgtcagg ggattgcaca aatcacttcac cgacgtggcc 1020
 222 ctggagcacc atgaggagtg tgactgtgtc tgcatgggaa gcacaggagg atagccgc 1080
 224 caccaccaggc agctttgcc cagagctgtc cagtcgttgc gctgatttca ttagagaacg 1140
 226 tatgcgttat ctccatcctt aatctcgtt gtttgcatttca aggacccatc atcttcaggaa 1200
 228 ttacagtgc attctgaaag aggagacatc aaacagaattt aggagttgtc caacagctt 1260
 230 ttggagagga ggcctaaagg acaggagaaa aggttccaa tcgtggaaag aaaaattaaat 1320
 232 gttgtttaaa atagatcacc agcttagttc agagttacca tgcgttgcattt ccactagctg 1380
 234 gtttctgtat ttccgttcc ttccgttca gtcgttgcattt gtcgttgcattt gaaaaaaact 1440
 236 gtcgttgcattt ccgttgcattt gtcgttgcattt aaagctccat gtcctggcc 1500
 238 taaaatcgta taaaatctgg atttttttt ttttttttgc tcatattcactt atatgtaaac 1560

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Input Set : N:\Crf3\RULE60\09852209A.txt
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240 cagaacattc tatgtactac aaacctgggtt tttaaaaagg aactatgttg ctatgaatta 1620
242 aacttgtgtc rtgctgatag gacagactgg attttcata tttcttattaa aatttctgc 1680
244 catttagaag aagagaacta cattcatggt ttggaagaga taaacctgaa aagaagagtg 1740
246 gccttatctt cactttatcg ataagtcaatgtt ttatgttac atttttat 1800
248 ttccttttgc acattataac tggtggctt tctaatttttgc ttaaatat 1860
250 caaaggattt taatattctt tttatgaca acttagatca actatttta gcttggtaaa 1920
252 ttttctaaa cacaattgtt atagccagag gaacaaagat ggtatataaa atattgttgc 1980
W--> 254 cctggacaaa aatacatgtt tntccatccc ggaatggtgc tagagttgaa ttaaacctgc 2040
W--> 256 attttaaaaaa acctgaatttgc ggaanggaan ttggtaaggt tggccaaanc tttttgaaa 2100
258 ataattaa 2108
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264 <211> LENGTH: 345
266 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
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280 Arg Arg Gly Thr Gln Ala Glu Ser Asn Leu Ser Ser Lys Phe Gln Phe
282 20 25 30
286 Ser Ser Asn Lys Glu Gln Asn Gly Val Gln Asp Pro Gln His Glu Arg
288 35 40 45
292 Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His Ser Pro Arg Phe Pro
294 50 55 60
298 His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp Arg Leu Val Ala Val
300 65 70 75 80
304 Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp Glu Arg Phe Gly Leu
306 85 90 95
310 Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp Phe Val Glu Val Glu
312 100 105 110
316 Glu Pro Ser Asp Gly Thr Ile Leu Gly Arg Trp Cys Gly Ser Gly Thr
318 115 120 125
322 Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln Ile Arg Ile Arg Phe
324 130 135 140
328 Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly Phe Cys Ile His Tyr
330 145 150 155 160
334 Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val Ser Pro Ser Val Leu
336 165 170 175
340 Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn Asn Ala Ile Thr Ala
342 180 185 190
346 Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp
348 195 200 205
352 Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly
354 210 215 220
358 Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val Val Asp Leu Asn Leu
360 225 230 235 240
364 Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr Pro Arg Asn Phe Ser
366 245 250 255
370 Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe Trp Pro
372 260 265 270

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Input Set : N:\Crf3\RULE60\09852209A.txt
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376 Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn Cys Ala Cys Cys Leu
378 275 280 285
382 His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser Lys Val Thr Lys Lys
384 290 295 300
388 Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr Gly Val Arg Gly Leu
390 305 310 315 320
394 His Lys Ser Leu Thr Asp Val Ala Leu Glu His His Glu Glu Cys Asp
396 325 330 335
400 Cys Val Cys Arg Gly Ser Thr Gly Gly
402 340 345
408 <210> SEQ ID NO: 4
410 <211> LENGTH: 1536
412 <212> TYPE: DNA
414 <213> ORGANISM: Homo sapiens
418 <400> SEQUENCE: 4
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422 agagaattat tactgtgtct actaatggaa gtattcacag cccaaagggtt cctcataactt 120
424 atccaaagaaa tacggtcttg gtatggagat tagtagcagt agaggaaaat gtatggatac 180
426 aacttacgtt tgatgaaaga tttgggcttg aagacccaga agatgacata tgcagaatgt 240
428 attttgtaga agttgaggaa cccagtgtatg gaactatatt agggcgctgg tttgggtctg 300
430 gtactgtacc aggaaaacag atttctaaag gaaatcaaatt taggataaga tttgtatctg 360
432 atgaatattt tccttctgaa ccagggttct gcattccacta caacattgtc atgccacaat 420
434 tcacagaagc tttttttttt tcagtgttcc ccccttcagc ttttgcactg gacccgttta 480
436 ataatgttat aactgcctt agtaccttgg aagaccttat tcgatatactt gaaccagaga 540
438 gatggcagggtt ggacttagaa gatctatata ggccaaacttg gcaacttctt ggcaaggctt 600
440 ttgtttttgg aagaaaatcc agagtgggtgg atctgaacct tctaacaagag gaggttaagat 660
442 tatacagctg cacacccgtt aacttctcaag tttttttttt ggaagaacta aagagaaccc 720
444 ataccatttt ctggccaggt tttttttttt ttaaacgttgc tttttttttt tttttttttt 780
446 gtctccacaa ttgcaatgaa tttttttttt tttttttttt tttttttttt tttttttttt 840
448 aggtccttca gttgagatca aasaccgggtt tcagggttgc gttttttttt tttttttttt 900
450 tggcccttggaa gcaccatgag gttttttttt tttttttttt tttttttttt tttttttttt 960
452 cgcacatccca ccagcagctc ttgtttttttt tttttttttt tttttttttt tttttttttt 1020
454 gaacgtatgc gttatcttca ttgtttttttt tttttttttt tttttttttt tttttttttt 1080
456 caggatttttac agtgcattttt gaaagaggag acatcaaaca gttttttttt tttttttttt 1140
458 gcttttttggaa gttttttttt gttttttttt gttttttttt tttttttttt tttttttttt 1200
460 taaatgttgtt attaaataga tcaccagctt gttttttttt tttttttttt tttttttttt 1260
462 agctgggtttc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 1320
464 aaactgtgca agtggcacc ttgtttttttt tttttttttt tttttttttt tttttttttt 1380
466 gggcttaaaa tcgtataaaa tttttttttt tttttttttt tttttttttt tttttttttt 1440
468 taaaccagaaa cattttatgtt actacaaacc ttgtttttttt tttttttttt tttttttttt 1500
470 aattaaactt gtgtcatgct gataggacag actgta 1536
474 <210> SEQ ID NO: 5
476 <211> LENGTH: 318
478 <212> TYPE: PRT
480 <213> ORGANISM: Homo sapiens
484 <400> SEQUENCE: 5
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488 1 5 10 15
492 Pro Gln His Glu Arg Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His

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Input Set : N:\Crf3\RULE60\09852209A.txt
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494 20 25 30
498 Ser Pro Arg Phe Pro His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp
500 35 40 45
504 Arg Leu Val Ala Val Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp
506 50 55 60
510 Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp
512 65 70 75 80
516 Phe Val Glu Val Glu Glu Pro Ser Asp Gly Thr Ile Leu Gly Arg Trp
518 85 90 95
522 Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln
524 100 105 110
528 Ile Arg Ile Arg Phe Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly
530 115 120 125
534 Phe Cys Ile His Tyr Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val
536 130 135 140
540 Ser Pro Ser Val Leu Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn
542 145 150 155 160
546 Asn Ala Ile Thr Ala Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu
548 165 170 175
552 Glu Pro Glu Arg Trp Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr
554 180 185 190
558 Trp Gln Leu Leu Gly Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val
560 195 200 205
564 Val Asp Leu Asn Leu Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr
566 210 215 220
570 Pro Arg Asn Phe Ser Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp
572 225 230 235 240
576 Thr Ile Phe Trp Pro Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn
578 245 250 255
582 Cys Ala Cys Cys Leu His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser
584 260 265 270
588 Lys Val Thr Lys Lys Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr
590 275 280 285
594 Gly Val Arg Gly Leu His Lys Ser Leu Thr Asp Val Ala Leu Glu His
596 290 295 300
600 His Glu Glu Cys Asp Cys Val Cys Arg Gly Ser Thr Gly Gly
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610 <211> LENGTH: 1474
612 <212> TYPE: DNA
614 <213> ORGANISM: Murinae gen. sp.
618 <220> FEATURE:
620 <221> NAME/KEY: unsure
622 <222> LOCATION: (1447)
624 <223> OTHER INFORMATION: can be a, c, g or t
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632 accctgcgtat tctctgctgc cagagccggc caggcgcttc caccgcagcg cagcctttcc 120
634 ccgggctggg ctgagccttg gagtgcgtgc ttccccagtg cccgccccgga gtgagccctc 180

VERIFICATION SUMMARY
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Input Set : N:\Crf3\RULE60\09852209A.txt
Output Set: N:\CRF3\12042001\I852209A.raw

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L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2584 M:259 W: Allowed number of lines exceeded, <223> Other Information: